



PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of

2

Complete if Known

Application Number	10/748,704
Filing Date	12/30/2003
First Named Inventor	Joseph K. Price
Art Unit	1742
Examiner Name	Archene A. Turner
Attorney Docket Number	5005463.002US2

U.S. PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
A		US- 3328774	08-1967	Louvel	
		US- 3959091	05-1976	Moji et al.	
		US- 4014758	03-1977	Kawai et al.	
		US- 4068156	01-1978	Johnson et al.	
		US- 4251330	02-1981	Sheasby et al.	
		US- 4344127	08-1982	McDaniel et al.	
		US- 4352620	10-1982	Inaba et al.	
		US- 4396976	08-1983	Hyatt	
		US- 4417845	11-1983	Burton	
		US- 4478689	10-1984	Loch	
		US- 4537664	08-1985	Novacek	
		US- 4555767	11-1985	Case et al.	
		US- 4645349	02-1987	Tabata	
		US- 4646223	02-1987	Sekiguchi	
		US- 4748329	05-1988	Cielo et al.	
		US- 4756619	07-1988	Gerlinger et al.	
		US- 4777603	10-1988	Woodman et al.	
		US- 4802763	02-1989	Gerlinger et al.	
		US- 4835710	05-1989	Schnelle et al.	
		US- 4872755	10-1989	Kuchel	
		US- 4894127	01-1990	Wong et al.	
		US- 4916600	04-1990	Ropelato	
		US- 4918535	04-1990	Hohberg et al.	
		US- 4979093	12-1990	Laine et al.	
		US- 4984894	01-1991	Kondo	
		US- 5042949	08-1991	Greenberg et al.	
		US- 5289266	02-1994	Shih et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
A		EP 0 631 106	12-1994	Mitsubishi Denki Kabushiki Kaisha		
		EP 0 639 753	02-1995	Dainippon Screen Mfg. Co., Ltd.		

Examiner
SignatureDate
Considered

2/05

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.87 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1448A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/748,704
		Filing Date	12/30/2003
		First Named Inventor	Joseph K. Price
		Art Unit	1742
		Examiner Name	Archene A. Turner
Sheet 2 of 2	Attorney Docket Number	5005463.002US2	

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 5291269	03-1994	Ledger	
		US- 5337150	08-1994	Mumola	
		US- 5351200	09-1994	Impink, Jr.	
		US- 5365340	11-1994	Ledger	
		US- 5452953	09-1995	Ledger	
		US- 5579218	11-1996	Ehlig et al.	
		US- 5689415	11-1997	Calotychos et al.	
		US- 5693208	12-1997	Paulet	
		US- 5726912	03-1998	Krall, Jr. et al.	
		US- 5851373	12-1998	Kubota et al.	
		US- 5866917	02-1999	Suzuki et al.	
		US- 5867385	02-1999	Brown et al.	
		US- 5872892	02-1999	Brown et al.	
		US- 5923429	07-1999	Takeuchi et al.	
		US- 5980078	11-1999	Krivoshein et al.	
		US- 5999262	12-1999	Dobschal et al.	
		US- 6052191	04-2000	Brayden, Jr. et al.	
		US- 6128081	10-2000	White et al.	
		US- 6278809	08-2001	Johnson et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	2/05
-----------------------	---	--------------------	------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.